

The figure consists of six subplots arranged horizontally, labeled (a) through (f). Each subplot is a histogram representing the frequency of the number of non-zero elements in the sparse matrix A_k . The x-axis for all plots is 'Number of non-zero elements' ranging from 0 to 100. The y-axis is 'Frequency' ranging from 0 to 10.

- (a) $k = 0$: Distribution centered around 10 non-zero elements.
- (b) $k = 1$: Distribution centered around 20 non-zero elements.
- (c) $k = 2$: Distribution centered around 30 non-zero elements.
- (d) $k = 3$: Distribution centered around 40 non-zero elements.
- (e) $k = 4$: Distribution centered around 50 non-zero elements.
- (f) $k = 5$: Distribution centered around 60 non-zero elements.

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| INTERFERENCE SEARCHED | | | |
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